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An Occupational Profile of Selected Nonmanufacturing Industries in Massachusetts 1973

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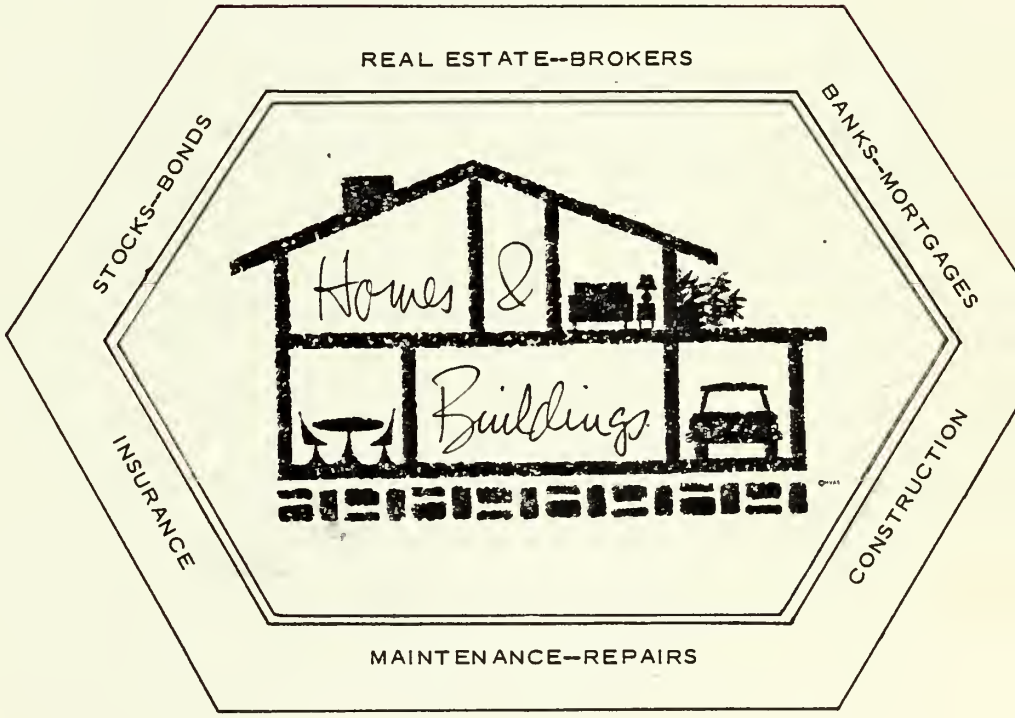

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
Charles F. Hurley Employment Security Building
Government Center, Boston, Massachusetts
JOHN D. CROSIER, DIRECTOR

AN OCCUPATIONAL PROFILE

OF

SELECTED NONMANUFACTURING INDUSTRIES

IN

MASSACHUSETTS

1973

Report Number 2

Prepared by: John T. McNulty, Supervisor, Research & Statistics
and
The Staff of the Occupation/Industry Research Dept.
Under the Supervision of
Robert Ganong, Chief Supervisor

Elinor J. Rowe, Assistant Director
Research and Information Service

July 1975

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INTRODUCTION

The Occupational Employment Statistics Program is a part of a Federal-State cooperative program involving State Employment Security agencies as well as the Department of Labor's Manpower Administration and Bureau of Labor Statistics. It was designed to meet the needs of economists, manpower planners, educators and others for current data on employment by occupation and projected data on employment by occupation and industry. The information obtained from this program will be used as input in constructing industry-occupation matrices that will provide the data base for projecting future manpower requirements.

This survey was devoted to collecting, by means of a mail questionnaire, occupational employment data for non-manufacturing industries other than wholesale and retail trade, government, health services and regulated industries. These sectors of the economy will be covered in subsequent surveys. The data presented in this publication are for the second quarter of 1973 with various reference months for specific industries, as indicated in the tables.

This report is the second in a series of planned documents on current occupational profiles of Massachusetts industry. Currently, statistics are being collected for other sectors of the economy. It is planned to cover the entire economy on a three-year cycle thereby giving the users a picture of the changing, or static composition of staffing patterns by industry.

Survey design, sample size and selection critera, definitions and estimating procedures were prepared by the U.S. Department of Labor's Bureau of Labor Statistics. Technical assistance was given by Mr. Thomas Williams and Mr. Daryl Delano of the Boston Regional Office of the Bureau of Labor Statistics.

METHODOLOGY

The Sample

The second quarter 1971 report (ES 202) of employment and wages covered by the Massachusetts Employment Security Law was used as a sampling frame for the Occupational Employment Statistics survey of nonmanufacturing establishments (excluding trade and government). The first quarter 1972 report was used for selecting nonprofit establishments, which became subject to the law on January 1, 1972.

The sampling frame was stratified by three-digit SIC's (Standard Industrial Classification) and by nine employment size classes. Establishments with less than four employees were excluded from the sample, and all units with employment of one hundred or more were automatically included. All other establishments were subject to sample selection on a random basis, with the units in larger size classes having a porportionately higher chance of selection. Each unit was given a weight according to the proportion of firms selected in each size class. The sample included 7312 establishments with benchmark employment of 314,392.

The Survey and Response

After the initial mailing two follow-ups were sent to nonrespondants. Telephone calls and personal visits were made to nonrespondents where the data was critical for calculating valid estimates. Of the 7312 establishments in the survey, replies were received from 3413, a response rate of 46.7 percent. After manual editing and mechanical (computer) screening, 3144 were usable, with total employment of 162,652, 51.7 percent of sample employment.

The Estimating Procedure

All usable questionnaires were stratified into seven size groups, by industry. Reported total employment and occupational employment on each questionnaire was multiplied by the weight assigned during sample selection. These industry data were then divided into the employment in the ES 202 report (stratified by corresponding cells) for the reference month of the survey. The result produced by this procedure is known as the benchmark factor. This factor was then applied to the occupational data, thus accounting for nonresponse. These occupational estimates were then sumed across size classes to industry totals.

Sampling Error

Sampling error is a arithmetic measure of the precision of an estimate. It is the difference between the estimate computed from the sample and the result that would have obtained if the same methods were used to collect identical information from the universe. The relative errors listed in this report are the sampling errors of each occupation expressed as a percent of that occupational estimate. The relative errors shown are such that the chances are 2 out of 3 that the results of a comparable full scale data collection, using the same survey approach, would not differ by more than the percent shown; the chances are 19 out of 20 that the results of a full scale data collection would not differ by more than twice the percent shown. For example, it is estimated in this report that there are 5310 bus-drivers employed in SIC 41, or about 38.3 percent of the total workers in the industry. Thus, the chances are about 68 out of 100 that the results of a comparable full scale data collection would differ by less than 160 (3 percent) from the 5310 estimated; similarly the estimated 38.3 percent of total employment would differ by less than 1.15 percent of total employment.

Nonsampling Error

The results of this survey are subject to biases and other nonsampling errors. Although careful editing and screening steps were taken, responding establishments may account for some errors in computations and processing, as well as placing workers in a wrong occupation. The nonrespondents are a source of nonsampling error for which measures were not available but are reflected in the estimating procedure.

OCCUPATIONS OF EMPLOYEES
LOCAL AND INTERURBAN PASSENGER TRANSIT (SIC 41 except 412)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	340	4.67	-
Managers and Officers	220	3.02	12
All Other Managers	120	1.65	20
Professional Occupations	100	1.37	-
Engineer, Safety	10	0.14	30
Purchasing Agent/Buyer	10	0.14	28
Accountants/Auditors	80	1.10	28
Service Occupations	10	0.14	-
Janitors, Porters/Cleaners	10	0.14	25
Maintenance and Production Occupations	6,330	86.95	-
Supervisor, Maintenance and Production	30	0.41	23
Mechanic, Automotive	240	3.30	14
Auto Body Repairer	20	0.27	20
Diesel Mechanic	90	1.24	18
Ambulance Driver	220	3.02	48
Bus Driver	5,310	72.94	3
Cleaner, Vehicle	60	0.82	20
Gas and Oil, Servicer	80	1.10	24
Instructor Bus and/or Trolley	10	0.14	33
Greaser	20	0.27	23
Maintenance Repairer	10	0.14	25
Helper Trades	30	0.41	41
Taxi Drivers	140	1.92	-
All Other Skilled Workers	10	0.14	18
All Other Maintenance and Production Occupations	60	0.82	-
Clerical Occupations	440	6.04	-
Clerical Supervisors	10	0.14	*
Accounting Clerk	10	0.14	-
Bookkeeper, Hand	10	0.14	31
Cashier	10	0.14	29
General Clerk	130	1.79	16
Payroll/Timekeeping Clerk	40	0.55	29
Secretary	60	0.82	23
Switchboard/Receptionist	10	0.14	31
Typist	10	0.14	34
Dispatcher, Motor Transportation	120	1.65	20
Stock Clerk	10	0.14	22
All Other Clerical Occupations	20	0.27	-

SIC 41 except 412) (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Sales Occupations	60	0.82	-
Traffic Agent	20	0.27	38
All Other Sales Occupations	40	0.55	-
TOTAL	7,280	100.00	-

1/ The following occupations were also reported by employers:

Guards	Meter Reader, Taxi
Ambulance Attendant	Painter, Automotive
Electrician	Painter
Bookkeeping and Billing Machine Operator	Welders and Flamecutters
Ticket Agent	Stenographer
	Sales Clerk
	Salespersons

* Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
LOCAL AND SUBURBAN TRANSPORTATION (SIC 411)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	130	4.88	-
Managers and Officers	90	3.38	20
All Other Managers	40	1.50	16
Professional and Technical Occupations	20	0.75	-
Engineer, Safety	10	0.37	28
Accountants and Auditors	10	0.37	22
Maintenance and Production Occupations	2,200	82.70	-
Supervisor, Maintenance and Production	10	0.37	25
Mechanic, Automotive	90	3.38	27
Body Repairer, Automotive	10	0.37	32
Diesel Mechanic	50	1.87	32
Ambulance Driver	220	8.27	46
Bus Driver	1,640	61.65	8
Cleaner, Vehicle	30	1.12	25
Gas and Oil Services	30	1.12	28
Instructor Bus and/or Trolley	10	0.37	28
Lubrication Services	10	0.37	24
Maintenance Repairer	10	0.37	40
Helper, Trades	20	0.75	48
All Other Maintenance and Production Workers	70	2.63	-
Clerical Occupations	270	10.15	-
General Clerk	80	3.00	23
Payroll/Timekeeping Clerk	20	0.75	*
Secretary	40	1.50	40
Switchboard/Receptionist	10	0.37	28
Dispatcher, Motor Transportation	70	2.63	29
Stock Clerk	10	0.37	28
Traffic Agent	10	0.37	37
All Other Clerical Occupations	30	1.12	-
Service Occupations	10	0.37	-
Janitors, Porters/Cleaners	10	0.37	28
Sales Occupations	30	1.12	-
All Other Sales Workers	30	1.12	-
TOTAL	2,660	100.00	-

1/ The following occupations were also reported by employers:

Purchasing Agent/Buyer	Cashier
Guards	Receptionist
Ambulance Attendant	Ticket Agent
Electrician	Typist
Painter, Automotive	Clerical Supervisor
Painter	Meter Readers, Taxi
Welders and Flamecutters	Salesperson
Bookkeepping and Billing Machine Operator	Sales Clerks
	Accounting Clerk

* Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
TAXI CABS (SIC 412)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number	Percent	Relative Error Percent
Managers and Officers	220	3.33	21
Maintenance and Production Occupations	5,650	85.73	-
Supervisor, Maintenance and Production	40	0.60	16
Mechanic, Automotive	150	2.27	11
Body Repairer, Automotive	20	0.30	15
Gas and Oil Servicer	20	0.30	16
Lubrication Servicer	10	0.15	20
Helper, Trades	40	0.60	16
Taxi Driver	5,360	81.33	1
All Other Maintenance and Production Occupations.	10	0.15	-
Clerical Occupations	720	10.92	-
Accounting Clerk	20	0.30	23
Bookkeeper, Hand	30	0.45	17
Cashier	20	0.30	11
General Clerk	80	1.21	23
Payroll/Timekeeping Clerk	60	0.91	26
Receptionist	20	0.30	30
Secretary	20	0.30	22
Switchboard Operator	110	1.66	26
Taxicab Starter	350	5.31	19
Meter Reader, Taxi	10	0.15	20
TOTAL	6,590	100.00	-

- Relative error not computed

NOTE: Detail may not add to totals due to rounding

OCCUPATIONS OF EMPLOYEES
SCHOOL BUSSES (SIC 415)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	120	3.82	-
Managers and Officers	100	3.18	17
All Other Managers	20	0.63	15
Professional and Technical Occupations	50	1.59	-
Accountants/Auditors	50	1.59	36
Maintenance and Production Occupations	2,860	91.08	-
Supervisor, Maintenance and Production	20	0.63	36
Mechanic Automotive	110	3.50	24
Diesel Mechanic	20	0.63	32
Bus Driver	2,630	83.75	1
Cleaner, Vehicle	20	0.63	20
Gas and Oil Servicer	20	0.63	36
Lubrication Servicer	10	0.31	45
All Other Maintenance and Production Workers	30	0.95	-
Clerical Occupations	110	3.50	-
Bookkeeper, Hand	10	0.31	32
General Clerk	30	0.95	21
Payroll/Timekeeping	10	0.31	28
Secretary	20	0.63	31
Dispatcher, Motor Transportation	30	0.95	24
All Other Clerical Workers	10	0.31	-
TOTAL	3,140	100.00	-

1/ The following occupations were also reported by employers:

Purchasing Agent/Buyer	Taxi Driver
Janitors, Porters/Cleaners	Welders and Flamecutters
Body Repairer, Automotive	Typist
Helper, Trades	Clerical Supervisor
Painter, Automotive	Traffic Agent

- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
TRANSPORTATION SERVICES (SIC 47)
MASSACHUSETTS

Reference Date April 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	460	11.98	-
Manager Operations	350	9.11	11
Travel Accomodations	20	0.52	*
All Other Managers	90	2.34	31
Professional Occupations	90	2.34	40
Service Occupations	110	2.86	-
Guide	80	2.08	26
All Other Service Occupations	30	0.78	-
Maintenance and Production Occupations	600	15.63	-
Mechanics and Repairers	30	0.78	40
Truck Drivers	300	7.81	35
All Other Unskilled Workers	140	3.65	48
All Other Maintenance and Production Occupations	130	3.39	-
Clerical Occupations	2,380	61.98	-
Clerical Supervisors	50	1.30	23
Bookkeeping and Billing Machine Operator	50	1.30	44
Stenographer	40	1.04	41
Bookkeeper Hand	210	5.47	17
General Clerk	270	7.03	22
Payroll/Timekeeping Clerk	20	0.52	25
Receptionist	60	1.56	20
Secretary	190	4.95	20
Switchboard Operator	20	0.52	45
Switchboard/Receptionist	20	0.52	45
Typist	120	3.13	19
Travel Consultant	910	23.70	17
Shipping Packer	110	2.86	35
Shipping and Receiving Clerk	170	4.43	23
All Other Clerical Occupations	140	3.65	-
Sales Occupations	200	5.21	-
Traffic Agent	140	3.65	25
All Other Salespersons	60	1.56	-
TOTAL	3,840	100.00	-

1/ The following occupations were also reported by employers:

- Computer Programmer
- Guards
- Supervisor, Nonworking Service
- Crater
- Supervisor, Maintenance and Production
- Cashier
- Helper, Trades
- Collection Sheet Clerk
- Computer Operator
- Keypunch Operator
- Accounting Clerk
- Crating and Moving Estimator
- Weigher

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
RADIO AND TELEVISION BROADCASTING (SIC 483)
MASSACHUSETTS

Reference Date May 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	360	12.04	5
Professional Occupations	1,280	42.80	-
Engineers, Electrical	70	2.34	17
Photographer	50	1.67	13
Accountants/Auditors	20	0.66	30
Announcer	490	16.38	7
Broadcast News Analyst	110	3.67	19
Commercial Artist	30	1.00	15
Editor, Writer	100	3.34	13
Film Editor	80	2.67	14
Librarian	20	0.66	26
Public Relations Person	20	0.66	24
Reporters and Correspondents	160	5.35	15
Technical Director	20	0.66	35
Television Camera Operators	30	1.00	*
All Other Professional Occupations	80	2.67	-
Technical Occupations	490	16.38	-
Electrical and Electronic Technicians	20	0.66	*
Broadcast Technician	430	14.38	10
All Other Technical Occupations	40	1.33	-
Service Occupations	40	1.33	-
Janitors, Porters/Cleaners	30	1.00	27
All Other Service Workers	10	0.33	-
Maintenance and Production Occupations	30	1.00	-
Maintenance Repairer	10	0.33	33
All Other Maintenance and Production Occupations	20	0.66	-
Clerical Occupations	500	16.72	-
Bookkeeping and Billing Machine Operator	20	0.66	27
Accounting Clerk	20	0.66	12
Bookkeeper, Hand	30	1.00	19
General Clerk	50	1.67	18
Payroll/Timekeeping Clerk	10	0.33	38
Receptionist	20	0.66	30
Secretary	120	4.01	10
Switchboard Operator	10	0.33	24
Switchboard/Receptionist	30	1.00	29
Traffic Clerk	120	4.01	7
Typist	10	0.33	50
All Other Clerical Workers	60	2.00	-

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Sales Occupations	290	9.69	-
Salesperson	290	9.69	8
TOTAL	2,990	100.00	-

1/ The following occupations were also reported by employers:

Purchasing Agent/Buyer
Actor or Actress
Personnel/Labor Relations Specialist
Designer
Supervisor, Nonworking Service
Radio Mechanic
Electrician
Computer Operator
Keypunch Operator
Stenographer
Personnel Clerk
Script Assistant
Clerical Supervisor
Light Technicians

* Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
ELECTRIC, AND GAS SERVICES (SIC-49 except 494-495-497)
MASSACHUSETTS

Reference Date April 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
anagers and Officers	1,600	8.53	-
Managers and Officers	60	0.32	13
Manager, Engineering	440	2.35	10
Manager, Scientific	170	0.91	22
All Other Managers	930	4.96	19
rofessional Occupations	1,750	9.33	-
Engineer, Chemical	20	0.11	30
Engineer, Civil	30	0.16	10
Engineer, Electrical	460	2.45	16
Engineer, Industrial	40	0.21	*
Engineer, Mechanical	170	0.91	20
Engineer, Safety	50	0.27	46
All Other Engineers	230	1.23	26
Chemist	20	0.11	32
All Other Physical Scientists	10	0.05	32
Systems Analyst, Business	120	0.64	22
Purchasing Agent/Buyer	60	0.32	19
Accountants/Auditors	240	1.28	19
Personnel/Labor Relations Spec.	40	0.21	22
Right of Way Agent	30	0.16	*
Designer	30	0.16	24
All Other Professional Occupations	200	1.07	38
echnical Occupations	700	3.73	-
Computer Programmer, Business	20	0.11	37
Drafter	290	1.55	16
Electrical and Electronics Technician	240	1.28	23
Surveyor	20	0.11	*
All Other Engineering Technicians	110	0.59	19
Science Technician	20	0.11	*
ervice Occupations	390	2.08	-
Supervisor, Nonworking Service	160	0.85	*
Janitors, Porters/Cleaners	160	0.85	20
Guards	50	0.27	31
All Other Service Occupations	20	0.11	*
aintenance and Production Occupations	8,990	47.92	-
Supervisor, Maintenance and Production	800	4.26	11
Mechanic, Automotive	330	1.76	14
Hydroelectric-Machinery Mechanic	140	0.75	26

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Mechanic Maintenance	490	2.61	20
Household Appliance Mechanic	900	4.80	30
All Other Mechanics	30	0.16	17
Truck Drivers	70	0.37	31
Cable Puller	280	1.49	21
Cable Splicer	290	1.55	36
Control Room Operator	170	0.91	35
Delivery Drivers	100	0.53	*
Electric Meter Installers	140	0.75	39
Electrician	350	1.87	23
Auxilliary-Equipment Operator	170	0.91	33
Gas Dispatcher	40	0.21	*
Ground Helper	120	0.64	22
Heavy Equipment Operator	40	0.21	*
Inspector	290	1.55	18
Instrument Repairer	260	1.39	21
Line Repairer	840	4.48	33
Liquidification and Regassification Plant Operator	50	0.27	*
Maintenance Repairer	230	1.23	20
Helper, Trades	400	2.13	23
Plumber/Pipefitter	80	0.43	*
Stationary Boiler Firer	250	1.33	34
Stationary Engineer	100	0.53	40
Streetlight Repairer	60	0.32	21
Substation Operator	290	1.55	25
Switchboard Operator, General Plant	150	0.80	21
Trouble Shooter	150	0.80	*
Turbin Operator	90	0.48	38
Welders and Flamecutters	10	0.05	*
All Other Skilled Workers	280	1.49	26
All Other Semiskilled Workers	420	2.24	23
All Other Unskilled Workers	320	1.71	25
All Other Maintenance and Production Occupations	260	1.39	-
Clerical Occupations	4,900	26.12	-
Clerical Supervisor	260	1.39	12
Bookkeeping and Billing Machine Operator	100	0.53	*
Computer Operator	40	0.21	22
Keypunch Operator	90	0.48	25
All Other Office Machine Operators	60	0.32	22
Stenographer	50	0.27	15
Accounting Clerk	310	1.65	18
Bookkeeper Hand	140	0.75	50
Cashier	90	0.48	23
Collector	170	0.91	16
File Clerk	30	0.16	*
General Clerk	1,280	6.82	15

IC 49 except 494-495-497 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Mail Clerk	80	0.43	15
Order Clerk	40	0.21	*
Payroll/Timekeeping Clerk	60	0.32	16
Personnel Clerk	50	0.27	19
Procurement Clerk	10	0.05	*
Receptionist	20	0.11	27
Secretary	440	2.35	18
Switchboard Operator	50	0.27	45
Switchboard/Receptionist	30	0.16	*
Typist	70	0.37	*
Meter Reader	520	2.77	*
Shipping and Receiving Clerk	20	0.11	*
Stock Clerk	320	1.71	10
All Other Clerical Occupations	570	3.04	-
ales Occupations	430	2.29	-
Salespersons	370	1.97	40
Sales Clerks	60	0.32	*
OTAL	18,760	100.00	-

/ The following occupations were also reported by employers:

Statistician	Lawyer
Life Scientist	Computer Programmer, Scientific
Systems Analyst Scientific	Power Transformer Operator
Carpenter	Corrosion Control Fitter
Crane Operator	Diesel Plant Operator
Gas Compressor Operator	Gas Maker
Industrial Truck Operator	Machinist
Painter	Power Reactor Operator
Pressure Operator	Relay Tester
Surveyor, Helper	Peripheral EDP Machine Operator
Tabulating Machine Operator	

* Relative error greater than 50 percent.

\- Relative error not computed.

OTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
BANKING (SIC-60)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	7,600	17.60	-
Bank Cashier	230	0.53	7
Branch Bank Manager	1,530	3.54	5
Loan Officer	1,820	4.21	5
Operations Officer	640	1.48	6
Trust Officer	540	1.25	9
All Other Managers	2,840	6.58	4
Professional Occupations	2,290	5.30	-
Engineers	10	0.02	19
Financial Analyst	50	0.12	17
Economist	40	0.09	18
Systems Analyst	210	0.49	8
Purchasing Agent/Buyer	80	0.19	8
Accountants/Auditors	920	2.13	7
Credit Analyst Chief	80	0.19	14
Credit Analyst	160	0.37	13
Lawyer	50	0.12	20
Personnel/Labor Relations Specialists	110	0.25	8
Public Relations Person	110	0.25	10
Appraiser, Real Estate	150	0.35	15
All Other Professional Occupations	320	0.74	12
Technical Occupations	340	0.79	-
Computer Programmer	300	0.69	5
All Other Technicians	40	0.09	18
Service Occupations	1,440	3.33	-
Supervisor, Nonworking Service	40	0.09	22
Janitors, Porters/Cleaners	960	2.22	7
Guards	320	0.74	8
Food Service Workers	30	0.07	16
All Other Service Occupations	90	0.21	16
Maintenance and Production Occupations	290	0.67	-
Office Machine Repairers	10	0.02	18
Truck Drivers	10	0.02	19
Chauffeur	40	0.09	15
Delivery Driver	40	0.09	14
Maintenance Repairer	100	0.23	26
All Other Skilled Workers	40	0.09	-
All Other Semiskilled Workers	10	0.02	14
All Other Unskilled Workers	40	0.09	19

IC 60 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Clerical Occupations	31,120	72.05	-
Clerical Supervisor	890	2.06	7
Bookkeeping and Billing Machine Operator	260	0.60	10
Computer Operator	500	1.16	8
Keypunch Operator	390	0.90	6
Peripheral EDP Machine Operator	170	0.39	17
Proof Machine Operator	1,100	2.55	6
Tabulating Machine Operator	40	0.09	15
Transcribing Machine Operator	70	0.16	17
All Other Office Machine Operators	360	0.83	10
Stenographer	230	0.53	10
Accounting Clerk	670	1.55	6
Bookkeeper, Hand	730	1.69	9
Cashier	60	0.14	44
Checking Clerk	360	0.83	15
Collector	620	1.44	5
Credit Card Clerk	150	0.35	15
File Clerk	670	1.55	9
General Clerk	3,820	8.84	6
Insurance Clerk	130	0.30	15
Messenger, Bank	260	0.60	8
New Accounts Teller	800	1.85	6
Order Clerk	40	0.09	20
Payroll/Timekeeping Clerk	110	0.25	11
Personnel Clerk	110	0.25	7
Procurement Clerk	30	0.07	14
Safe Deposit Clerk	330	0.76	7
Secretary	1,630	3.77	4
Statement Clerk	560	1.30	10
Swithboard/Receptionist	390	0.90	5
Teller Head	1,060	2.45	5
Teller	9,930	22.99	3
Transit Clerk	800	1.85	10
Typist	1,190	2.76	7
All Other Clerical Occupations	2,660	6.16	7
Sales Occupations	110	0.25	22
Salespersons	110	0.25	22
TOTAL	43,190	100.00	-

1/ The following occupations were also reported by employers:

Supervisor, Maintenance and Production
Stationary Engineer

NOTE: Detail may not add to totals due to rounding.

- Relative error not computed

OCCUPATIONS OF EMPLOYEES
COMMERCIAL AND STOCK SAVINGS BANKS (SIC-602)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	5,520	17.69	-
Bank Cashier	190	0.60	15
Branch Bank Manager	1,060	3.39	7
Loan Officer	1,190	3.81	5
Operations Officer	470	1.50	8
Trust Officer	590	1.89	11
All Other Managers and Officers	2,020	6.47	6
Professional Occupations	1,540	4.93	-
Financial Analyst	40	0.12	26
Economist	10	0.03	30
Systems Analyst, Electronic	140	0.44	10
Purchasing Agent/Buyer	70	0.22	12
Accountants/Auditors	670	2.14	9
Credit Analyst Chief	70	0.22	17
Credit Analyst	130	0.41	18
Lawyer	20	0.06	16
Personnel/Labor Relations Specialist	80	0.25	9
Public Relations Person	70	0.22	13
Appraisers, Real Estate	40	0.12	18
All Other Professional Occupations	200	0.64	-
Technical Occupations	280	0.89	-
Computer Programmer	240	0.76	5
All Other Technicians	40	0.12	19
Service Occupations	770	2.46	-
Janitors, Porters/Cleaners	460	1.47	13
Guards	190	0.60	7
Food Service Workers	10	0.03	33
Supervisor, Nonworking Service	30	0.09	45
All Other Service Workers	80	0.25	21
Maintenance and Production Occupations	220	0.70	-
Truck Drivers	10	0.03	19
Chauffeur	40	0.12	17
Delivery Driver	40	0.12	16
Maintenance Repairer	70	0.22	25
All Other Maintenance and Production Occupations	60	0.19	-
Clerical Occupations	22,770	73.00	-
Clerical Supervisor	740	2.37	9
Bookkeeping and Billing Machine Operator	200	0.64	30

SIC 602 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Cumputer Operator	400	1.28	6
Keypunch Operator	340	1.09	7
Peripheral EDP Machine Operator	60	0.19	19
Proof Machine Operator	1,130	3.62	7
Tabulating Machine Operator	40	0.12	15
Transcribing Machine Operator	60	0.19	17
All Other Office Machine Operators	230	0.73	10
Stenographer	110	0.35	14
Accounting Clerk	540	1.73	10
Bookkeeper, Hand	470	1.50	17
Cashier	50	0.16	48
Checking Clerk	290	0.92	19
Collector	600	1.92	9
Credit Card Clerk	160	0.51	18
File Clerk	590	1.89	14
General Clerk	3,020	9.68	8
Insurance Clerk	30	0.09	25
Messenger, Bank	200	0.64	10
New Accounts Teller	600	1.92	10
Order Clerk	40	0.12	26
Payroll/Timekeeping Clerk	90	0.28	13
Personnel Clerk	90	0.28	9
Procurement Clerk	20	0.06	18
Safe Deposit Clerk	310	0.99	15
Secretary	1,190	3.81	7
Statement Clerk	480	1.53	13
Switchboard/Receptionists	300	0.96	11
Teller Head	800	2.56	7
Teller	6,210	19.91	4
Transit Clerk	560	1.79	10
Typist	760	2.43	11
All Other Clerical Occupations	2,060	6.60	9
Sales Occupations	90	0.28	-
Salesperson	90	0.28	13
TOTAL	31,190	100.00	-

1/ The following occupations were also reported by employers:

Engineers
Office Machine Repairers
Supervisor, Maintenance and Production
Stationary Engineers

NOTE: Detail may not add to totals due to rounding.
\- Relative error not computed

OCCUPATIONS OF EMPLOYEES
MUTUAL SAVINGS BANKS (SIC-603)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	1,990	19.39	-
Bank Cashier	80	0.77	10
Branch Bank Manager	440	4.28	7
Loan Officer	590	5.75	8
Operations Officer	160	1.55	7
All Other Managers	720	7.01	7
Professional Occupations	430	4.19	-
Financial Analyst	10	0.09	29
Systems Analyst, Electronic	30	0.29	19
Purchasing Agent/Buyer	10	0.09	19
Accountants/Auditors	180	1.75	14
Credit Analyst	30	0.29	33
Lawyer	20	0.19	31
Personnel/Labor Relations Specialists	20	0.19	24
Public Relations Person	20	0.19	23
Appraiser, Real Estate	100	0.97	13
All Other Professional Occupations	10	0.09	-
Technicial Occupations	30	0.29	-
Computer Programmer	30	0.29	24
Service Occupations	450	4.38	-
Janitors, Porters/Cleaners	380	3.70	8
Guards	60	0.58	20
All Other Service Occupations	10	0.09	-
Maintenance and Production Occupations	40	0.38	-
Maintenance Repairer	30	0.29	42
All Other Maintenance and Production Occupations	10	0.09	-
Clerical Occupations	7,310	71.24	-
Clerical Supervisor	120	1.16	15
Bookkeeping and Billing Machine Operator	90	0.87	12
Computer Operator	80	0.77	25
Proof Machine Operator	20	0.19	*
Keypunch Operator	20	0.19	20
Transcribing Machine Operator	10	0.09	*
All Other Office Machine Operators	40	0.38	32
Stenographer	80	0.77	14
Accounting Clerk	140	1.36	12
Bookkeeper, Hand	230	2.24	12
Checking Clerk	80	0.77	20

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Collector	80	0.77	12
File Clerk	100	0.97	11
General Clerk	770	7.50	8
Insurance Clerk	90	0.87	14
Messenger, Bank	40	0.38	15
New Accounts Teller	240	2.33	7
Order Clerk	10	0.09	40
Payroll/Timekeeping Clerk	20	0.19	19
Personnel Clerk	10	0.09	31
Safe Deposit Clerk	50	0.48	14
Secretary	400	3.89	6
Statement Clerk	30	0.29	21
Switchboard/Receptionist	130	1.26	7
Teller, Head	300	2.92	6
Teller	3,580	34.89	2
Transit Clerk	10	0.09	47
Typist	330	3.21	11
All Other Clerical Occupations	200	1.94	-
Sales Occupations	10	0.09	-
Salesperson	10	0.09	33
TOTAL	10,250	100.00	-

1/ The following occupations were also reported by employers:

Engineer
Economist
Credit Analyst, Chief
Food Service Workers
Supervisor, Nonworking Service
Chauffeur
Peripheral EDP Machine Operator
Cashier
Proof Machine Operator
Transcribing Machine Operator
Procurement Clerk

* Relative Error greater than 50 percent.

NOTE: Detail may not add to totals due to rounding.

\- Relative error not computed

OCCUPATIONS OF EMPLOYEES

CREDIT AGENCIES OTHER THAN BANKS (SIC-61)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	1,140	22.31	-
Bank Cashier	10	0.20	37
Branch Bank Manager	400	7.83	14
Loan Officer	460	9.00	13
Operations Officer	30	0.59	22
All Other Managers	240	4.70	15
Professional Occupations	250	4.89	-
Accountants/Auditors	80	1.57	20
Credit Analyst	120	2.35	18
Lawyer	10	0.20	22
All Other Professional Occupations	40	0.78	-
Service Occupations	160	3.13	-
Janitors, Porters/Cleaners	120	2.35	16
All Other Service Occupations	40	0.78	-
Clerical Occupations	3,490	68.30	-
Clerical Supervisor	70	1.37	21
Bookkeeping and Billing Machine Operator	20	0.39	36
Computer Operator	20	0.39	34
Keypunch Operator	20	0.39	36
Proof Machine Operator	30	0.59	38
All Other Office Machine Operators	10	0.20	39
Stenographer	30	0.59	38
Accounting Clerk	180	3.52	25
Bookkeeper Hand	260	5.09	13
Cashier	90	1.76	27
Checking Clerk	60	1.17	37
Collector	400	7.83	18
File Clerk	70	1.37	26
General Clerk	580	11.35	14
Insurance Clerk	10	0.20	40
New Accounts Clerk	50	0.98	39
Secretary	230	4.50	14
Statement Clerk	10	0.20	*
Switchboard/Receptionist	30	0.59	19
Teller Head	30	0.59	29
Teller	910	17.81	12
Typist	260	5.09	20
All Other Clerical Occupations	120	2.35	-

SIC 61 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Sales Occupation.	70	1.37	24
Salesperson	70	1.37	24
TOTAL	5,110	100.00	-

1/ The following occupations were also reported by employers:

Financial Analyst
Systems Analyst
Credit Analyst, Chief
Computer Programmer
Food Service Workers
Maintenance Repairer
Messenger Bank
Personnel Clerk
Safe Deposit Clerk
Personnel/Labor Relations Specialist
Public Relations Specialist
Appraiser, Real Estate
Guards
Supervisor Nonworking Service
Peripheral EDP Machine Operator
Payroll/Timekeeping Clerk
Procurement Clerk

* Relative Error greater than 50 Percent.

NOTE: Detail may not add to totals due to rounding.

\- Relative error not computed

OCCUPATIONS OF EMPLOYEES
SAVINGS AND LOAN ASSOCIATIONS (SIC-612)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	90	18.36	-
Branch Bank Manager	20	4.08	*
Loan Officer	20	4.08	36
All Other Managers	50	10.20	-
Professional Occupations	20	4.08	-
Service Occupations	50	10.20	-
Janitors, Porters/Cleaners	20	4.08	14
All Other Service Workers	30	6.12	-
Clerical Occupations	330	67.34	-
Clerical Supervisor	10	2.04	20
Bookkeeping and Billing Machine Operator	10	2.04	28
Accounting Clerk	10	2.04	20
Bookkeeper Hand	10	2.04	*
General Clerk	20	4.08	*
New Accounts Teller	30	6.12	14
Secretary	20	4.08	28
Switchboard/Receptionist	10	2.04	18
Teller Head	20	4.08	15
Teller	150	30.61	12
All Other Clerical Workers	40	8.16	-
TOTAL	490	100.00	-

1/ The following occupations were also reported by employers:

Bank Cashier
Operations Officer
Accountants/Auditors
Credit Analyst, Chief
Credit Analyst
Lawyer
Appraiser, Real Estate
Guards
Food Service Workers
Computer Operator
Stenographer
Proof Machine Operator
Collector
General Clerk
Insurance Clerk
Safe Deposit Clerk
Statement Clerk
Typist
Keypunch Operater

* Relative Error greater than 50 percent.

NOTE: Detail may not add to totals due to rounding.

\- Relative error not computed

OCCUPATIONS OF EMPLOYEES
SECURITY, COMMODITY BROKERS AND SERVICES (SIC-62)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	1,010	13.81	-
Branch Office Manager	110	1.50	27
Broker-and-Market Op., Commodities	10	0.14	32
Broker Floor Representative	110	1.50	27
Sales Manager	80	1.09	23
All Other Managers	700	9.56	12
Professional Occupations	750	10.25	-
Financial Analyst	270	3.69	16
Statistician	50	0.68	20
Economist	10	0.14	*
Market Research Analyst	20	0.27	34
Purchasing Agent/Buyer	10	0.14	33
Accountants/Auditors	70	0.96	19
Lawyer	20	0.27	26
Personnel/Labor Relations Specialist	10	0.14	28
Portfolio Manager	190	2.60	25
All Other Professional Occupations	100	1.37	-
Technical Occupations	40	0.55	-
Computer Programmer	30	0.41	20
All Other Technicians	10	0.14	35
Service Occupations	50	0.68	-
Janitors, Porters/Cleaners	30	0.41	*
All Other Service Occupations	20	0.27	30
Maintenance and Production Occupations	20	0.27	-
Clerical Occupations	3,710	50.68	-
Clerical Supervisor	140	1.91	15
Bookkeeping and Billing Machine Operator	10	0.14	40
Computer Operator	50	0.68	21
Keypunch Operator	60	0.82	17
All Other Office Machine Operators	50	0.68	20
Stenographer	80	1.09	33
Accounting Clerk	200	2.73	30
Dividend Clerk	10	0.14	31
Bookkeeper Hand	90	1.23	26
Brokerage Clerk	290	3.96	19
Cashier	60	0.82	20
File Clerk	130	1.78	21

SIC 62 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
General Clerk	380	5.19	13
Securities Cashier	30	0.41	23
Margin Clerk	70	0.96	21
Personnel Clerk	10	0.14	35
Purchase/Sales Clerk	60	0.82	20
Receptionist	80	1.09	*
Secretary	1,070	14.62	8
Security Description Clerk	10	0.14	42
Switchboard Operator	40	0.55	17
Switchboard/Receptionist	70	0.96	14
Transfer Clerk	70	0.96	28
Typist	180	2.46	10
Shipping and Receiving Clerk	20	0.27	32
Stock Clerk	20	0.27	20
All Other Clerical Occupations	420	5.74	-
Sales Occupations	1,740	23.77	-
Sales Agent Financial	100	1.37	46
Sales Agent Securities	1,440	19.67	14
All Other Salespersons	200	2.73	32
TOTAL	7,320	100.00	-

1/ The following occupations were also reported by employers:

Systems Analyst	Tabulating Machine Operators
Supervisor, Nonworking	Trade Recorders
Office Machine Operator	Payroll/Timekeeping Clerk
Peripheral EDP Machine Operator	Procurement Clerk

* Relative Error greater than 50 percent.

NOTE: Detail may not add to totals due to rounding.

\- Relative error not computed.

OCCUPATIONS OF EMPLOYEES
SECURITY BROKERS AND DEALERS (SIC 621)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
anagers and Officers	750	15.09	-
Branch Officer Manager	100	2.01	28
Broker and Market Operator, Commodities	10	0.20	29
Brokers, Floor Representative	90	1.81	36
Sales Manager	70	1.40	30
All Other Managers	480	9.65	18
rofessional Occupations	200	4.02	-
Financial Analyst	60	1.20	30
Statistician	10	0.20	31
Market Research Analyst	20	0.40	41
Purchasing Agent/Buyer	10	0.20	35
Accountants/Auditors	30	0.60	28
Lawyer	10	0.20	48
Personnel/Labor Relations	10	0.20	41
Portfolio Manager	30	0.60	35
All Other Professionals	20	0.40	43
lerical Occupations	2,270	45.67	-
Clerical Supervisor	90	1.81	21
Computer Operator	20	0.40	46
Keypunch Operator	30	0.60	31
AllOther Office Machine Operators	10	0.20	40
Stenographer	10	0.20	*
Accounting Clerk	100	2.01	27
Dividend Clerk	10	0.20	33
Bookkeeper Hand	40	0.80	34
Brokerage Clerk	250	5.03	21
Cashier	50	1.00	25
File Clerk	40	0.80	32
General Clerk	250	5.03	20
Securities Clerk	30	0.60	20
Margin Clerk	80	1.60	19
Personal Clerk	10	0.20	33
Purchase/Sales Clerk	50	1.00	22
Receptionist	40	0.80	40
Secretary	670	13.48	10
Security Description	10	0.20	35
Switchboard Operator	20	0.40	21
Switchboard/Receptionist	60	1.20	17
Transfer Clerk	60	1.20	34
Typist	110	2.21	12
Stock Clerk	10	0.20	35
All Other Clerical Occupations	220	4.42	49

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
les Occupations	1,750	35.22	-
Salesperson Financial	110	2.2.	*
Salesperson, Securities	1,450	29.18	13
All Other Sales Occupations	190	3.82	39
TOTAL	4,970	100.00	-

The following occupations were also reported by employers:

Computer Programmer	Bookkeeping and Billing Machine Operator
Janitors, Porters/Cleaners	Payroll/Timekeeping Clerk
Office Machine Operators	Shipping and Receiving Clerk

Relative error greater than 50 percent

Relative error not computed

TE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
SECURITY AND COMMODITY SERVICES (SIC 628)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	260	11.45	-
Brokers Floor Representative	20	0.88	*
Sales Manager	10	0.44	26
All Other Managers and Officers	230	10.13	-
Professional Occupations	580	25.55	-
Financial Analyst	230	10.13	13
Statistician	30	1.32	11
Economist	20	0.88	*
Accountants/Auditors	30	1.32	31
Lawyer	10	0.44	20
Portfolio Manager	180	7.92	21
All Other Professional Occupations	80	3.52	-
Technical Occupations	30	1.32	-
Computer Programmer	20	0.88	11
All Other Technical Occupations	10	0.44	30
Service Occupations	40	1.76	-
Janitors, Porters, and Cleaners	20	0.88	18
All Other Service Occupations	20	0.88	-
Clerical Occupations	1,330	58.59	-
Clerical Supervisor	50	2.20	9
Computer Operator	30	1.32	17
Keypunch Operator	30	1.32	11
All Other Office Machine Operators	30	1.32	8
Stenographers	60	2.64	22
Accounting Clerk	80	3.52	50
Bookkeeper, Hand	60	2.64	19
Brokerage Clerk	20	0.88	*
File Clerk	80	3.52	17
General Clerk	140	6.16	17
Receptionist	30	1.32	*
Secretary	400	17.62	9
Switchboard Operator	20	0.88	40
Switchboard/Receptionist	10	0.44	27
Typist	80	3.52	13
Shipping and Receiving Clerk	20	0.88	36
Stock Clerk	10	0.44	11
All Other Clerical Occupations	180	7.92	-

SIC 628 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Sales Occupations	30	1.32	30
TOTAL	2,270	100.00	-

1/ The following occupations were also reported by employers:

Branch Office Manager
Market Research Analyst
Systems Analyst Electronics
Purchasing Agent/Buyer
Personnel/Labor Relations Specialists
Supervisor, Nonworking
Bookkeeping and Billing Machine Operator
Peripheral EDP Machine Operator
Tabulating Machine Operator
Cashier
Trade Recorder
Payroll/Timekeeping Clerk
Procurement Clerk
Purchase/Sales Clerk
Transfer Clerk
Salesperson Securities

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
INSURANCE CARRIERS (SIC 63)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	3,950	8.95	-
Manager Insurance Office	1,510	3.42	15
Manager Engineering	20	0.05	20
All Other Managers	2,420	5.49	-
Professional Occupations	6,460	14.65	-
Engineer, Safety	150	0.34	*
Actuary	200	0.45	34
Financial Analyst	170	0.39	21
Statistics	320	0.73	22
Systems Analyst	430	0.97	16
Purchasing Agent/Buyer	30	0.07	10
Accountants/Auditors	520	1.18	9
Appraiser	30	0.07	42
Claims Examiner	1,090	2.47	14
Investigator	490	1.11	16
Lawyer	340	0.77	24
Nurse Professional	80	0.18	43
Personnel/Labor Relations Specialist	120	0.27	17
Physician/Surgeon	40	0.09	40
Saftey Inspector	380	0.86	32
Underwriter	1,510	3.42	15
All Other Professional Occupations	560	1.27	-
Technical Occupations	1,150	2.61	-
Computer Programmer	1,050	2.38	16
All Other Technicians	100	0.23	24
Service Occupations	730	1.65	-
Supervisor, Nonworking Service	20	0.05	14
Janitors, Porters/Cleaners	310	0.70	35
Guards	170	0.39	18
Food Service Workers	190	0.43	50
All Other Service Occupations	40	0.09	23
Maintenance and Production Occupations	430	0.97	-
Supervisor Maintenance and Production	20	0.05	25
Mechanics and Repairers	10	0.02	*
Carpenter	20	0.05	35
Electrician	40	0.09	19
Maintenance Repairer	50	0.11	34
Painter	20	0.05	26

SIC 63 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Stationary Engineer	20	0.05	*
All Other Skilled Workers	30	0.07	26
All Other Semiskilled Workers	10	0.02	45
All Other Unskilled Workers	210	0.48	24
Clerical Occupations	28,160	63.84	-
Clerical Supervisor	1,450	3.29	19
Bookkeeping and Billing Machine Operator	110	0.25	46
Computer Operator	410	0.93	18
Keypunch Operator	640	1.45	13
Peripheral EDP Machine Operator	110	0.25	36
Tabulating Machine Operator	50	0.11	33
All Other Office Machine Operators	250	0.57	23
Stenographer	490	1.11	16
Accounting Clerk	1,250	2.83	30
Actuarial Clerk	100	0.23	*
Bookkeeper	80	0.18	32
Cancellation Clerk	60	0.14	39
Claims Adjuster	880	2.00	*
Claims Clerk	930	2.11	22
Collector	70	0.16	47
Correspondence Clerk	490	1.11	*
File Clerk/Hand	1,660	3.76	17
General Clerk	5,540	12.56	14
Payroll/Timekeeping Clerk	170	0.39	16
Personnel Clerk	70	0.16	20
Policy Change Clerk	680	1.54	34
Procurement Clerk	30	0.07	29
Rater	760	1.72	22
Receptionist	90	0.20	24
Reinsurance Clerk	20	0.05	45
Secretary	2,100	4.76	11
Switchboard Operator	80	0.18	17
Switchboard/Receptionist	100	0.23	26
Typist	1,800	4.08	23
Worksheet Clerk	430	0.97	43
Shipping and Receiving Clerk	30	0.07	*
Stock Clerk	140	0.32	17
All Other Occupations	7,090	16.07	-
Sales Occupations	3,230	7.32	-
Placer	80	0.18	33
Sales Agent Insurance	2,940	6.67	15
All Other Salespersons	210	0.48	29
TOTAL	44,110	100.00	-

1/ The following occupations were also reported by employers:

Estate Planner	Hospital Insurance Representative
Manager Scientific	Paralegal Personnel
Mathematician	Control Clerk
Social Scientist	

* Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
LIFE INSURANCE (SIC 631)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	2,120	8.46	-
Manager, Insurance Office	1,090	4.35	10
Manager, Engineering	10	0.03	*
All Other Managers and Officers	1,020	4.07	-
Professional Occupations	3,150	12.58	-
Actuary	150	0.59	26
Financial Analyst	130	0.51	13
Systems Analyst, Electronic Data Processing	270	1.07	18
Purchasing Agent/Buyer	10	0.03	44
Accountants/Auditors	230	0.91	22
Claims Examiner	480	1.91	43
Investigator	340	1.35	*
Lawyer	150	0.59	17
Nurse, Professional	20	0.07	31
Personnel/Labor Relations	60	0.23	33
Safety Man	70	0.27	*
Underwriter	550	2.19	41
All Other Professional Occupations	690	2.75	-
Technical Occupations	750	2.99	-
Computer Programmer	700	2.79	13
All Other Technical Occupations	50	0.19	*
Service Occupations	460	1.83	-
Janitors/Porters/Cleaners	190	0.75	22
Guards and Watchmen	130	0.51	15
All Other Service Occupations	140	0.55	-
Maintenance and Production Occupation	310	1.23	-
Clerical Occupations	15,300	61.12	-
Clerical Supervisors	810	3.23	13
Computer Operator	210	0.83	24
Keypunch Operator	220	0.87	22
Peripheral EDP Machine Operator	30	0.11	*
All Other Office Machine Operators	160	0.63	21
Stenographer	230	0.91	23
Accounting Clerk	700	2.79	11
Bookkeeper	40	0.15	46
Cashier	70	0.27	27
Claims Clerk	320	1.27	*
Collector	10	0.03	*

SIC 631 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Correspondence Clerk	90	0.35	41
File Clerk, Hand	540	2.15	32
General Clerk	3,030	12.10	11
Payroll/Timekeeping	80	0.31	*
Personal Clerk	30	0.11	*
Policy Change Clerk	160	0.63	26
Rater	230	0.91	*
Receptionist	30	0.11	38
Secretary	1,360	5.43	15
Switchboard Operator	30	0.11	*
Switchboard/Receptionists	20	0.07	*
Typist	790	3.15	43
Worksheet Clerk	70	0.27	*
Stock Clerk	50	0.19	*
All Other Clerical Occupations	5,990	23.93	-
Sales Occupations	2,940	11.74	-
Placer	90	0.35	*
Salesperson, Insurance	2,850	11.38	18
TOTAL	25,030	100.00	-

1/ The following occupations were also reported by employers:

Estate Planner
Manager Scientific
Engineer Safety
Statistician
Appraiser
Paralegal Personnel
Physician/Surgeon
Stationary Engineer
Bookkeeping and Billing Machine Operator
Actuarial Clerk
Procurement Clerk
Food Service Worker
Supervisor, Nonworking
Mechanic
Carpenter
Electrician
Supervises Maintenance and Production
Maintenance Repairer
Painter
Cancellation Clerk
Tabulating Machine Operator
Reinsurance Clerk
Shipping and Receiving Clerk

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
ACCIDENT AND HEALTH INSURANCE (SIC 632)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	250	6.26	-
Manager, Insurance Office	50	1.25	*
All Other Managers and Officers	200	5.01	-
Professional Occupations	450	11.27	-
Actuary	10	0.25	*
Systems Analyst, Electronic Data Processing	40	1.00	13
Purchasing Agent/Buyer	10	0.25	*
Accountants/Auditors	90	2.25	20
Claims Examiner	120	3.00	46
Lawyer	10	0.25	*
Underwriter	30	0.75	*
All Other Professional Occupations	140	3.50	-
Technical Occupations	70	1.75	-
Computer Programmer	70	1.75	12
Service Occupations	20	0.50	-
Maintenance and Production Occupations	40	1.00	-
Clerical Occupations	3,030	75.93	-
Computer Operator	70	1.75	18
Keypunch Operator	140	3.50	21
Peripheral EDP Machine Operator	20	0.50	47
All Other Office Machine Operators	40	1.00	24
Stenographer	30	0.75	*
Accounting Clerk	20	0.50	*
Cancellation Clerk	10	0.25	44
Cashier	20	0.50	37
Claims Adjuster	200	5.01	13
Claims Clerk	180	4.51	*
Correspondence Clerk	230	5.76	10
File Clerk, Hand	300	7.51	11
General Clerk	760	19.04	33
Payroll/Timekeeping	10	0.25	45
Policy Change Clerk	200	5.01	11
Reinsurance Clerk	10	0.25	40
Secretary	110	2.75	30
Switchboard/Receptionist	20	0.50	22
Typist	110	2.75	37
Shipping and Receiving Clerk	10	0.25	44
Stock Clerk	20	0.50	40
All Other Clerical Occupations	520	13.03	-

SIC 632 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Sales Occupations	130	3.25	38
Salesman, Insurance	130	3.25	38
TOTAL	3,990	100.00	-

1/ The following occupations were also reported by employers:

Manager Engineering
Manager Scientific
Engineer Safety
Financial Analyst
Mathematician
Personnel/Labor Relations Specialist
Safety Manager
Guards
Supervisor, Maintenance and Production
Painter
Bookkeeping and Billing Machine Operator
Actuarial Clerk
Control Clerk
Personnel Clerk
Rater
Clerical Supervisor
Statistician
Social Scientist
Hospital-Insurance Representative
Investigator
Nurse Professional
Physician/Surgeon
Janitors, Porters/Cleaners
Supervisor, Nonworking
Electrician
Maintenance Repairer
Stationary Engineer
Tabulating Machine Operator
Bookkeeper
Collector
Procurement Clerk
Receptionist
Worksheet Clerk
Switchboard Operator

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
INSURANCE AGENTS, BROKERS & SERVICE (SIC 64)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	1,090	9.10	-
Estate Planner	10	0.08	*
Manager Insurance Office	740	6.18	11
All Other Managers	340	2.84	-
Professional Occupations	1,670	13.94	-
Engineer, Safety	10	0.08	49
Actuary	60	0.50	34
Financial Analyst	20	0.17	*
Mathematician	30	0.25	*
Systems Analyst	40	0.33	31
Accountants/Auditors	120	1.00	15
Appraiser	100	0.83	46
Claims Examiner	70	0.58	22
Investigator	170	1.42	38
Lawyer	10	0.08	45
Underwriter	530	4.42	20
All Other Professional Occupations	510	4.26	-
Technical Occupations	270	2.25	-
Computer Programmer	70	0.58	29
All Other Technical Occupations	200	1.67	-
Service Occupations	100	0.83	-
Maintenance and Production Occupations	40	0.33	-
Clerical Occupations	6,590	55.01	-
Clerical Supervisor	120	1.00	19
Bookkeeping and Billing Machine Operator	190	1.59	19
Computer Operator	40	0.33	25
Keypunch Operator	60	0.50	32
All Other Office Machine Operators	60	0.50	33
Stenographer	130	1.09	28
Accounting Clerk	320	2.67	14
Bookkeeper	80	0.67	15
Cancellation Clerk	10	0.08	*
Cashier	50	0.42	32
Claim Adjuster	120	1.00	33
Claims Clerk	410	3.42	15
Collector	20	0.17	31
Correspondence Clerk	50	0.42	25
File Clerk Hand	350	2.92	13
General Clerk	2,030	16.94	9

SIC 64 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Payroll/Timekeeping Clerk	50	0.42	23
Personnel Clerk	10	0.08	29
Policy Change Clerk	310	2.59	21
Rater	370	3.09	19
Receptionist	120	1.00	20
Secretary	860	7.18	12
Switchboard Operator	20	0.17	25
Switchboard/Receptionist	50	0.42	12
Typist	610	5.09	15
Worksheet Clerk	20	0.17	*
Stock Clerk	30	0.25	32
All Other Clerical Occupations	100	0.83	-
Sales Occupations	2,220	18.53	-
Placer	160	1.34	*
Sales, Agents, Insurance	2,050	17.11	7
All Other Salespersons	10	0.08	46
TOTAL	11,980	100.00	-

1/ The following occupations were also reported by employers:

Manager Engineering	Drafter
Manager Scientific	Janitors, Porters/Cleaners
Statistician	Food Service Workers
Purchasing Agent/Buyer	Supervisor, Nonworking Service
Nurse Professional	Mechanics and Repairers
Personnel/Labor Relations Specialist	Electrician
	Carpenter
Physician/Surgeon	Supervisor, Maintenance and Production
Safety Inspector	Painter
Maintenance Repairer	Actuarial Clerk
Peripheral EDP Machine Operator	Shipping and Receiving Clerk
	Reinsurance Clerk

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
INSURANCE AGENTS, BROKERS & SERVICE (SIC 641)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	1,090	9.09	-
Estate Planner	10	0.08	*
Manager, Insurance Office	740	6.17	11
All Other Managers and Officers	340	2.83	-
Professional Occupations	1,670	13.93	-
Engineer, Safety	10	0.08	50
Actuary	60	0.50	33
Financial Analyst	20	0.16	*
Mathematician	30	0.25	*
Systems Analyst, Electronic Data Processing	40	0.33	31
Accountants/Auditors	120	1.00	15
Appraiser	100	0.83	46
Claims Examiner	70	0.58	22
Investigator	170	1.41	38
Lawyer	10	0.08	45
Underwriter	530	4.42	20
All Other Professional Occupations	510	4.25	-
Technical Occupations	270	2.25	-
Computer Programmer	70	0.58	29
All Other Technical Occupations	200	1.66	-
Service Occupations	100	0.83	-
Maintenance and Production Occupations	40	0.33	-
Clerical Occupations	6,590	55.00	-
Clerical Supervisor	120	1.00	19
Bookkeeping and Billing Machine Operator	190	1.58	19
Computer Operator	40	0.33	25
Keypunch Operator	60	0.50	32
All Other Office Machine Operators	60	0.50	33
Stenographer	130	1.08	28
Accounting Clerk	320	2.67	14
Bookkeeper	80	0.66	15
Cancellation Clerk	10	0.08	*
Cashier	50	0.41	32
Claims Adjuster	120	1.00	33
Claims Clerk	410	3.42	15
Collector	20	0.16	31
Correspondence Clerk	50	0.41	25
File Clerk, Hand	350	2.92	13
General Clerk	2,030	16.94	9
Payroll/Timekeeping	50	0.41	23

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Personnel Clerk	10	0.08	29
Policy Change Clerk	310	2.58	21
Rater	370	3.08	19
Receptionist	120	1.00	20
Secretary	860	7.17	12
Switchboard Operator	20	0.16	25
Switchboard/Receptionist	50	0.41	12
Typist	610	5.09	15
Worksheet Clerk	20	0.16	*
Stock Clerk	30	0.25	32
All Other Clerical Occupations	100	0.83	-
Sales Occupations	2,220	18.53	-
Placer	160	1.33	*
Salesperson, Insurance	2,050	17.11	7
All Other Salesman Occupations	10	0.08	46
TOTAL	11,980	100.00	-

1/ The following occupations were also reported by employers:

Manager Engineering	Drafter
Manager Scientific	Janitors, Porters, Cleaners
Statisticians	Food Service Worker
Purchasing Agent/Buyer	Supervisor, Nonworking
Nurse, Professional	Mechanic
Personnel/Labor Relations Specialist	Maintenance Repairer
	Carpenter
Physician/Surgeon	Electrician
Safety Manager	Supervisor, Maintenance and Production
Peripheral EDP Machine Operator	Painter
	Shipping and Receiving Clerk
Actuarial Clerk	Reinsurance Clerk

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
HOLDING AND OTHER INVESTMENT COMPANIES (SIC 67)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	240	17.27	-
Professional Occupations	380	27.34	-
Financial Analyst	170	12.23	30
Accountants/Auditors	40	2.88	19
Lawyer	10	0.72	*
Portfolio Manager	60	4.32	18
All Other Professional Occupations	100	7.19	-
Service Occupations	30	2.16	-
Clerical Occupations	680	48.92	-
Clerical Supervisor	10	0.72	13
Accounting Clerk	70	5.04	*
Bookkeeper Hand	100	7.19	42
Brokerage Clerk	10	0.72	40
General Clerk	80	5.76	17
Receptionist	10	0.72	16
Secretary	230	16.55	16
Typist	30	2.16	*
All Other Clerical Occupations	140	10.07	-
Sales Occupations	60	4.32	-
TOTAL	1,390	100.00	-

1/ The following occupations were also reported by employers:

Branch Office Manager	Brokers Floor Representative
Sales Manager	Statistician
Systems Analyst/Electronic	Personnel/Labor Relations Specialist
Computer Programmer	Maintenance Repairer
Office Machine Operator	Bookkeeping and Billing Machine Operator
Computer Operator	Keypunch Operator
Stenographer	File Clerk
Margin Clerk	Payroll/Timekeeping Clerk
Personnel Clerk	Purchase/Sales Clerk
Switchboard Operator	Switchboard/Receptionist
Transfer Clerk	Salesperson, Financial
Salesperson, Securities	

* Relative error greater than 50 percent
\- Relative error not computed
NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
INVESTMENT COMPANIES (SIC 672)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	100	14.92	-
Professional Occupations	200	29.85	-
Financial Analyst	60	8.95	38
Lawyer	10	1.49	17
Portfolio Manager	40	5.97	10
All Other Professional Occupations	90	13.43	-
Clerical Occupations	340	50.74	-
Clerical Supervisor	10	1.49	8
General Clerk	70	10.44	11
Receptionist	10	1.49	*
Secretary	120	17.91	12
All Other Clerical Occupations	130	19.40	-
Sales Occupations	30	4.47	-
TOTAL	670	100.00	-

1/ The following occupations were also reported by employers:

Branch Office Manager	Maintenance Repairer
Brokers Floor Representative	Computer Operator
Sales Manager	Keypunch Operator
Statistician	Accounting Clerk
Systems Analyst Electronic	Bookkeeper Hand
Accounting/Auditor	File Clerk
Computer Programmer	Payroll/Timekeeping Clerk
Personnel Clerk	Purchase/Sales Clerk
Switchboard Operator	Switchboard/Receptionist
Transfer Clerk	Typist
Salesperson Securities	Personnel/Labor Relations Specialist
Margin Clerk	

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
HOTELS, TOURIST COURTS, AND MOTELS (SIC 70)
MASSACHUSETTS

Reference Date April 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	700	4.00	-
Managers and Officers	60	0.34	28
Director, Food and Beverage	140	0.80	15
Manager Engineering	30	0.17	19
All Other Managers	470	2.69	14
Professional Occupations	530	3.03	-
Purchasing Agent/Buyer	30	0.17	20
Accountants/Auditors	160	0.91	11
Lawyer	20	0.11	27
Musician, Instrument	90	0.51	30
Personnel/Labor Relations Specialist	20	0.11	31
Public Relations Specialist	10	0.06	36
All Other Professional Occupations	200	1.14	-
Technical Occupations	40	0.23	-
Service Occupations	12,720	72.69	-
Supervisor, Nonworking Service	160	0.91	13
Maid	3,640	20.80	7
Houseman	480	2.74	8
Guards	150	0.86	17
Baker Bread and/or Pastry	90	0.51	16
Bartender	680	3.89	7
Butcher/Meat Cutter	50	0.29	20
Cook	730	4.17	7
Hostess	300	1.71	9
Kitchen Helpers	1,020	5.83	7
Pantry Goods Maker	240	1.37	9
Waiter/Waitress	3,430	19.60	5
Counterperson	60	0.34	38
All Other Food Service Workers	600	3.43	7
Baggage Porters	410	2.34	8
Groundskeeper	220	1.26	18
Housekeeper	280	1.60	17
All Other Service Occupations	180	1.03	18
Maintenance and Production Occupations	1,030	5.89	-
Supervisor, Maintenance and Production	60	0.34	41
Mechanic Maintenance	40	0.23	27
All Other Mechanics	20	0.11	32
Marker, Classified	30	0.17	*
Washer, Machine	20	0.11	*

SIC 70 (Cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Laundry Operator	180	1.03	17
Machine Presser, Laundry	50	0.29	43
Truck Driver	10	0.06	44
Carpenter	50	0.29	25
Electrician	20	0.11	22
Maintenance Repairer	360	2.06	25
Helper, Trades	20	0.11	43
Painter	70	0.40	16
Plumber/Pipefitter	10	0.06	26
All Other Unskilled Workers	50	0.29	39
All Other Maintenance and Production Occupations	40	0.23	-
Clerical Occupations	2,380	13.60	-
Clerical Supervisor	20	0.11	*
Bookkeeping and Billing Machine Operator	20	0.11	21
Food Controller	20	0.11	28
Stenographer	10	0.06	*
Accounting Clerk	50	0.29	18
Bookkeeper, Hand	50	0.29	23
Cashier	300	1.71	12
File Clerk	10	0.06	37
General Clerk	60	0.34	*
Desk Clerk	1,080	6.17	8
Payroll/Timekeeping Clerk	40	0.23	16
Personnel Clerk	20	0.11	39
Procurement Clerk	10	0.06	43
Receptionist	50	0.29	49
Secretary	150	0.86	10
Switchboard Operator	240	1.37	15
Switchboard/Receptionist	10	0.06	*
Travel Clerk	10	0.06	33
Typist	40	0.23	34
Stock Clerk	130	0.74	*
All Other Clerical Occupations	60	0.34	-
Sales Occupations	100	0.57	-
Salespersons	70	0.40	14
Sales Clerk	30	0.17	33
TOTAL	17,500	100.00	-

1/ The following occupations were also reported by employers:

Engineers	Computer Programmer
Systems Analyst Electronic	Engineering Technician
Mechanic Automotive	Instruments Repairer
Stationary Boiler Firer	Stationary Engineer
Keypunch Operator	Tabulating Machine Operator
Camp Counselor	Nurse Professional
Maid	Bus Driver

* Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
PHOTOGRAPHIC STUDIOS (SIC 722)
MASSACHUSETTS

Reference Date April 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	110	9.90	15
Professional Occupations	300	27.02	-
Photographer, Portrait	260	23.42	16
All Other Photographers	30	2.70	*
All Other Professional Occupations	10	0.90	-
Service Occupations	10	0.90	-
Janitors, Porters/Cleaners	10	0.90	*
Maintenance and Production Occupations	400	36.03	-
Developer/Projection Printer	70	6.30	24
Photograph Retoucher	50	4.50	23
Negative Cutter/Spotter	30	2.70	33
Multiple-Photographic-Printer Operator	60	5.40	21
Print Developer	20	1.80	21
Photo Checker	70	6.30	15
Photographer, Helper	60	5.40	35
Maintenance Repairer	10	0.90	35
All Other Skilled Maintenance Occupations	10	0.90	29
All Other Maintenance and Production Occupations	20	1.80	-
Clerical Occupations	230	20.72	-
Clerical Supervisor	10	0.90	25
Bookkeeper, Hand	10	0.90	49
General Clerk	30	2.70	36
Order Clerk	20	1.80	44
Receptionist	50	4.50	27
Secretary	60	5.40	30
Shipping/ Packer	10	0.90	24
Shipping and Receiving Clerk	20	1.80	30
All Other Clerical Workers	20	1.80	-
Sales Occupations	60	5.40	24
TOTAL	1,110	100.00	-

1/ The following occupations were also reported by employers:

Purchasing Agent/Buyer	Office Machine Operator
Accountants/Auditors	Accounting Clerk
Supervisor, Nonworking	Payroll/Timekeeping Clerk
Truck Driver	Switchboard/Operator
Supervisor, Maintenance and Production	Switchboard/Receptionist
	Typist

* Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
MISCELLANEOUS AMUSEMENT, RECREATION SERVICES (SIC 79 except 791-793)
MASSACHUSETTS

Reference Date April 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	630	5.69	-
Managers and Officers	630	5.69	8
Professional Occupations	820	7.40	-
Purchasing Agent/Buyer	20	0.18	25
Accountants/Auditors	100	0.90	18
Lawyer	10	0.09	46
Public Relations Specialist	30	0.27	21
Group or Recreation Leader	90	0.81	40
Sports Instructor	370	3.34	26
All Other Professional Occupations	200	1.81	-
Technical Occupations	70	0.63	33
Service Occupations	5,570	50.27	-
Supervisor, Nonworking Service	170	1.53	19
Janitors, Porters/Cleaners	560	5.05	10
Guards	250	2.26	16
Cook	320	2.89	13
Kitchen Helper	310	2.80	18
Waiter/Waitress	1,580	14.26	9
All Other Food Service Workers	420	3.79	23
Groundskeeper	800	7.22	15
Recreation Facility Attendant	180	1.62	20
Ride Operator	410	3.70	27
Usher	150	1.35	*
All Other Service Occupations	420	3.79	-
Maintenance and Production Occupations	1,530	13.81	-
Supervisor, Maintenance and Production	10	0.09	13
Coin Machine Operator	50	0.45	*
All Other Mechanics	10	0.09	47
Truck Driver	20	0.18	7
Carpenter	20	0.18	8
Electrician	10	0.09	20
Maintenance Repairer	250	2.26	18
Helper, Trades	60	0.54	*
Painter	10	0.09	34
Parking Lot Attendant	230	2.08	12
All Other Semiskilled Workers	70	0.63	*
All Other Unskilled Workers	750	6.77	-
All Other Maintenance and Production Occupations	40	0.36	-

SIC 79 except 791-793 (cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Clerical Occupations	2,030	18.32	-
Clerical Supervisor	80	0.72	21
Bookkeeping and Billing Machine Operator	30	0.27	29
Accounting Clerk	30	0.27	18
Bookkeeper, Hand	90	0.81	16
Cashier	1,110	10.02	10
General Clerk	110	0.99	16
Payroll/Timekeeping Clerk	30	0.27	29
Receptionist	10	0.09	30
Secretary	60	0.54	*
Switchboard Operator	50	0.45	19
Switchboard/Receptionist	100	0.90	33
Typist	20	0.18	22
All Other Clerical Occupations	310	2.80	-
Sales Occupations	430	3.88	-
Salespersons	80	0.72	23
Sales Clerks	350	3.16	26
TOTAL	11,080	100.00	-

1/ The following occupations were also reported by employers:

Athlete
Coach, Professional
Scout, Professional
Vendor
Stenographer
Personnel Clerk
Designer
Personnel Labor Relations Specialist
Umpire
Athletic Trainer
Stationary Boiler Firer
File Clerk
Singer

* Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
LEGAL SERVICES (SIC 81)
MASSACHUSETTS

Reference Date June 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	200	2.12	29
Professional Occupations	2,790	29.52	-
Accountants/Auditors	60	0.63	20
Law Clerk	410	4.34	20
Lawyer	2,020	21.38	8
Librarian	20	0.21	12
Paralegal Personnel	260	2.75	26
All Other Professional Occupations	20	0.21	-
Technical Occupations	10	0.11	-
Clerical Occupations	6,450	68.25	-
Clerical Supervisor	20	0.21	17
Bookkeeping and Billing Machine Operator	10	0.11	33
Computer Operator	10	0.11	29
Keypunch Operator	10	0.11	25
All Other Office Machine Operators	20	0.21	41
Stenographer	250	2.65	35
Accounting Clerk	90	0.95	20
Bookkeeper Hand	200	2.12	17
File Clerk	60	0.63	12
General Clerk	670	7.09	26
Payroll/Timekeeping Clerk	30	0.32	23
Receptionist	200	2.12	26
Secretary	4,240	44.87	6
Switchboard Operator	30	0.32	15
Switchboard/Receptionist	220	2.33	26
Typist	220	2.33	30
All Other Clerical Occupations	170	1.80	-
TOTAL	9,450	100.00	-

1/ The following occupations were also reported by employers:

Systems Analyst Computer Programmer Personnel/Labor Relations Spec.
Janitors, Porters/Cleaners Peripheral EDP Machine Operators
Personnel Clerk

* Relative error greater than 50 percent

\- Relative error not computed

NOTE: Detail may not add to totals due to rounding.

MISCELLANEOUS SERVICES (SIC 89)
MASSACHUSETTS

Reference Date April 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	2,270	7.56	-
Managers and Officers	270	0.90	29
Manager Engineering	880	2.93	12
Manager Scientific	110	0.37	17
All Other Managers	1,010	3.37	15
Professional Occupations	13,300	44.32	-
Engineer, Chemical	160	0.53	23
Engineer, Civil	2,850	9.50	18
Engineer, Electrical	630	2.10	16
Engineer, Industrial	40	0.13	41
Engineer, Mechanical	750	2.50	17
All Other Engineers	150	0.50	27
Mathematician	60	0.20	25
Statistician	20	0.07	*
Chemist	270	0.90	26
Geologist	50	0.17	29
Physicist	80	0.27	25
Psychologist	60	0.20	42
All Other Social Scientist	80	0.27	68
Systems Analyst Business	200	0.67	37
Systems Analyst Scientific	170	0.57	43
Photographer	10	0.03	48
Purchasing Agent/Buyer	100	0.33	22
Accountants/Auditors	4,480	14.93	18
Architect, Landscape	80	0.27	38
Architect	1,390	4.63	18
Commercial Artist	160	0.53	*
Cost Estimator	20	0.07	38
Editor Writer	100	0.33	30
Lawyer	50	0.17	*
Model Maker	20	0.07	31
Personnel/Labor Relations Specialist	80	0.27	14
Designer	380	1.27	47
All Other Professional Occupations	860	2.87	-
Technical Occupations	6,010	20.03	-
Computer Programmer, Business	130	0.43	35
Computer Programmer, Scientific	200	0.67	24
Drafter	3,160	10.53	11
Electrical and Electronic Technician	390	1.30	35
Surveyor	1,030	3.43	17
All Other Engineering Technicians	810	2.70	16
Physical Science Technician	50	0.17	31
All Other Scientific Technicians	60	0.20	41
All Other Technicians	180	0.60	-

SIC 89 (Cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Service Occupations	150	0.50	-
Supervisor, Nonworking Service	30	0.10	28
Janitors, Porters/Cleaners	70	0.23	19
Guards	40	0.13	22
All Other Service Occupations	10	0.03	*
Maintenance and Production Occupations	1,270	4.23	-
Supervisor, Maintenance and Production	40	0.13	31
Truck Drivers	10	0.03	30
Machinist	100	0.33	24
Maintenance Repairer	70	0.23	30
Surveyor Helper	650	2.17	25
All Other Skilled Workers	160	0.53	*
All Other Semiskilled Workers	130	0.43	33
All Other Unskilled Workers	50	0.17	*
All Other Maintenance and Production Occupations	60	0.20	-
Clerical Occupations	6,820	22.73	-
Clerical Supervisor	180	0.60	26
Bookkeeping and Billing Machine Operator	40	0.13	*
Computer Operator	110	0.37	27
Keypunch Operator	510	1.70	31
Peripheral EDP Machine Operator	10	0.03	*
All Other Office Machine Operators	180	0.60	34
Stenographer	220	0.73	20
Accounting Clerk	410	1.37	20
Audit Clerk	70	0.23	39
Bookkeeper Hand	250	0.83	23
Control Clerk	70	0.23	47
File Clerk	150	0.50	49
General Clerk	740	2.47	14
Payroll/Timekeeping Clerk	70	0.23	18
Personnel Clerk	30	0.10	19
Receptionist	170	0.57	23
Secretary	2,300	7.66	8
Statistical Clerk	20	0.07	49
Switchboard Operator	80	0.27	16
Switchboard/Receptionist	160	0.53	14
Typist	810	2.70	15
Stock Clerk	50	0.17	20
All Other Clerical Occupations	190	0.63	20
Sales Occupations	190	0.63	23
Salespersons	190	0.63	23
TOTAL	30,010	100.00	-

1/ The following occupations were also reported by employers:

Engineer, Aeronautic	Economist
Engineer, Metallurgic	Caseworker
Engineer, Safety	Biological and Agricultural Scientific Technician
Medical Scientist	Mathematical Technician
Mechanic Maintenance	Carpenter
Electrician	Painter
Plumber/Pipefitter	

\+ Relative error greater than 50 percent.

\- Relative error not computed.

NOTE: Detail may not add to totals due to rounding.

OCCUPATIONS OF EMPLOYEES
ENGINEERING AND ARCHITECTURAL SERVICES (SIC 891)
MASSACHUSETTS

Reference Date April 1973

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Managers and Officers	1,320	7.70	-
Manager, Engineering	730	4.26	12
Manager, Scientific	70	0.40	21
All Other Managers and Officers	520	3.03	-
Professional Occupations	6,630	38.70	-
Engineer, Chemical	120	0.70	25
Engineer, Civil	2,330	13.60	16
Engineer, Electrical	500	2.91	18
Engineer, Industrial	30	0.17	42
Engineer, Mechanical	610	3.56	17
All Other Engineers	120	0.70	28
Mathematician	50	0.29	27
Chemist	180	1.05	27
Geologist	40	0.23	32
Physicist	60	0.35	26
Biologist	60	0.35	28
Systems Analyst, Business	20	0.11	36
Systems Analyst, Scientific	100	0.58	46
Purchasing Agent/Buyer	70	0.40	24
Accountants/Auditors	110	0.64	12
Architect/Landscape	60	0.35	22
Architect	1,200	7.00	20
Commercial Artist	20	0.11	23
Cost Estimator	10	0.05	42
Editor/Writer	50	0.29	28
Lawyer	30	0.17	31
Model Maker	20	0.11	32
Personnel/Labor Relations	40	0.23	14
Designer	300	1.75	49
All Other Professional Occupations	500	2.91	-
Technical Occupations	4,780	27.90	-
Computer Programmer, Business	20	0.11	18
Computer Programmer, Scientific	150	0.87	23
Drafter	2,630	15.35	10
Electrical and Electronic Technician	290	1.69	38
Surveyor	880	5.13	19
All Other Engineering Technicians	640	3.73	16
All Other Technical Occupations	170	0.99	-
Service Occupations	100	0.58	-
Supervisor, Nonworking	20	0.11	34
Janitors, Porters/Cleaners	50	0.29	16
Guards	30	0.17	26

SIC 891 (Cont.)

OCCUPATION	EMPLOYMENT		
	Number 1/	Percent	Relative Error Percent
Maintenance and Production Occupations	1,000	5.83	-
Supervisor, Maintenance and Production	30	0.17	39
Truck Drivers	10	0.05	40
Machinist	80	0.46	30
Maintenance Repairer	50	0.29	35
Surveyor, Helper	560	3.26	30
All Other Skilled Machinist	100	0.58	48
All Other Semiskilled Workers	100	0.58	33
All Other Maintenance and Production Occupations	70	0.40	-
Clerical Occupations	3,170	18.50	-
Clerical Supervisor	70	0.40	19
Bookkeeping and Billing Machine Operator	20	0.11	*
Computer Operator	40	0.23	26
Keypunch Operator	80	0.46	32
All Other Office Machine Operators	40	0.23	37
Stenographer	120	0.70	29
Accounting Clerk	160	0.93	13
Bookkeeper, Hand	70	0.40	24
File Clerk	80	0.46	*
General Clerk	450	2.62	17
Payroll/Timekeeping	40	0.23	20
Personnel Clerk	20	0.11	22
Receptionist	60	0.35	26
Secretary	1,340	7.82	10
Switchboard Operator	40	0.23	18
Switchboard/Receptionist	70	0.40	16
Typist	320	1.86	28
Stock Clerk	30	0.17	24
All Other Clerical Occupations	120	0.70	-
Sales Occupations	130	0.75	24
Salespersons	130	0.75	24
TOTAL	17,130	100.00	-

1/ The following occupations were also reported by employers:

Managers and Officers	Physical Science Technician
Engineer, Aeronautic	Biological and Agriculture Science Technician
Engineer, Metallurgical	Mathematical Technician
Statistician	Carpenters
Economist	Electricians
Psychologist	Painter
Photographer	Plumber/Pipefitter
Peripheral EDP Machine Op.	Audit Clerk
Control Clerk	Statistical Clerk

* Relative error greater than 50 percent.
\- Relative error not computed.
NOTE: Detail may not add to totals due to rounding.

ACME
BOOKBINDING CO., INC.

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100 CAMBRIDGE STREET
CHARLESTOWN, MA 02129